

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/525,449
Source: py
Date Processed by STIC: 2/7/06

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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/525,449

DATE: 02/07/2006
 TIME: 13:00:53

Input Set : A:\1169034.APP
 Output Set: N:\CRF4\02012006\J525449.raw

3 <110> APPLICANT: POQUET, ISABELLE
 4 LLULL, DANIEL
 6 <120> TITLE OF INVENTION: ZINC-REGULATED PROKARYOTIC EXPRESSION CASSETTES
 8 <130> FILE REFERENCE: 1169-034
 10 <140> CURRENT APPLICATION NUMBER: 10/525,449
 11 <141> CURRENT FILING DATE: 2005-02-24
 13 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02606
 14 <151> PRIOR FILING DATE: 2003-08-29
 16 <150> PRIOR APPLICATION NUMBER: FR 02 10805
 17 <151> PRIOR FILING DATE: 2002-08-30
 19 <160> NUMBER OF SEQ ID NOS: 16
 21 <170> SOFTWARE: PatentIn Ver. 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 32
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
 30 sequence of the pzn bacterial promoter
 32 <220> FEATURE:
 33 <221> NAME/KEY: modified_base
 34 <222> LOCATION: (9) *(Handwritten mark)*
 35 <223> OTHER INFORMATION: a, c, g, or t
 37 <220> FEATURE:
 38 <221> NAME/KEY: modified_base
 39 <222> LOCATION: (12)..(18) *(Handwritten mark)*
 40 <223> OTHER INFORMATION: a, c, g, or t
 42 <220> FEATURE:
 43 <221> NAME/KEY: -35_signal
 44 <222> LOCATION: (19)..(24)
 46 <400> SEQUENCE: 1
 W--> 47 aaaaataang tnnnnnnnntt gacattattt tt 32
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 47
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
 57 sequence of the pzn bacterial promoter
 59 <220> FEATURE:
 60 <221> NAME/KEY: modified_base
 61 <222> LOCATION: (9) *(Handwritten mark)*
 62 <223> OTHER INFORMATION: a, c, g, or t

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64 <220> FEATURE:
65 <221> NAME/KEY: modified_base
66 <222> LOCATION: (12)..(18)
67 <223> OTHER INFORMATION: a, c, g, or t
69 <220> FEATURE:
70 <221> NAME/KEY: -35_signal
71 <222> LOCATION: (19)..(24)
73 <220> FEATURE:
74 <221> NAME/KEY: modified_base
75 <222> LOCATION: (33)..(41)
76 <223> OTHER INFORMATION: a, c, g, or t
78 <220> FEATURE:
79 <221> NAME/KEY: -10_signal
80 <222> LOCATION: (42)..(47)
82 <400> SEQUENCE: 2
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86 <210> SEQ ID NO: 3
87 <211> LENGTH: 32
88 <212> TYPE: DNA
89 <213> ORGANISM: Lactococcus lactis
91 <220> FEATURE:
92 <221> NAME/KEY: -35_signal
93 <222> LOCATION: (19)..(24)
95 <400> SEQUENCE: 3
96 aaaaataayg ttaactggtt gacattattt tt          32
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 56
101 <212> TYPE: DNA
102 <213> ORGANISM: Lactococcus lactis
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105 <221> NAME/KEY: -35_signal
106 <222> LOCATION: (19)..(24)
108 <220> FEATURE:
109 <221> NAME/KEY: -10_signal
110 <222> LOCATION: (42)..(47)
112 <400> SEQUENCE: 4
113 aaaaataatg ttaactggtt gacattattt ttactttgct atataattaa ccagta      56
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 57
118 <212> TYPE: DNA
119 <213> ORGANISM: Lactococcus lactis
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123 <222> LOCATION: (20)..(25)
125 <220> FEATURE:
126 <221> NAME/KEY: -10_signal
127 <222> LOCATION: (43)..(48)
129 <400> SEQUENCE: 5
130 aaaaaataac gttaactggc tgacattatt tttctttgc tatataatta accagta      57

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Input Set : A:\1169034.APP
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133 <210> SEQ ID NO: 6
134 <211> LENGTH: 25
135 <212> TYPE: PRT
136 <213> ORGANISM: Lactococcus lactis
138 <400> SEQUENCE: 6
139 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
140 1 5 10 15
142 Val Ser Ser Thr Ala Val Val Phe Ala
143 20 25
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 18
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
153 primer
155 <400> SEQUENCE: 7
156 ctaatgagcg ggcttttt 18
159 <210> SEQ ID NO: 8
160 <211> LENGTH: 35
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
166 primer
168 <400> SEQUENCE: 8
169 gctctagagc gggatccttc atcgaaactc ttca 35
172 <210> SEQ ID NO: 9
173 <211> LENGTH: 1100
174 <212> TYPE: DNA
175 <213> ORGANISM: Lactococcus lactis
177 <220> FEATURE:
178 <221> NAME/KEY: -35_signal
179 <222> LOCATION: (295)..(300)
181 <220> FEATURE:
182 <221> NAME/KEY: -10_signal
183 <222> LOCATION: (318)..(323)
185 <220> FEATURE:
186 <221> NAME/KEY: RBS
187 <222> LOCATION: (343)..(348)
189 <220> FEATURE:
190 <221> NAME/KEY: modified_base
191 <222> LOCATION: (362) ↗
192 <223> OTHER INFORMATION: a, c, g, or t
194 <220> FEATURE:
195 <221> NAME/KEY: modified_base ↗
196 <222> LOCATION: (412)
197 <223> OTHER INFORMATION: a, c, g, or t
199 <220> FEATURE:

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200 <221> NAME/KEY: modified_base
201 <222> LOCATION: (445)
202 <223> OTHER INFORMATION: a, c, g, or t
204 <220> FEATURE:
205 <221> NAME/KEY: RBS
206 <222> LOCATION: (780)..(786)
208 <400> SEQUENCE: 9
209 cacaggaaac agctatgacc atgattacgc caagctcgaa attaaccctc actaaaggga 60
210 acaaaaagctg ggtaccgggc cccccctcga ggtcgacggg atcgatagcc cgccataatga 120
211 gcgggcttt ttttgatatac gaattacccg ggaattcaga tctttgatca aggatctgtc 180
212 agctggttca actagcggtg gtcaaactgt tagtaataaa acttattgtt ttgatgtcg 240
213 gcttaaggat ggaaggattt ttcaaataaa aaagtaaaaa ataatgttaa ctgggtgaca 300
214 ttattttac ttgctatat aattaaccag taaactaatt atggaggaca aaatactatg 360
W--> 215 anttttagcaa atcaaatcga ccagtttctt ggggcaatta tgcatgttc anaaaaacaag 420
216 catgaaatat tactcggcga atgcnaaagt aatgtaagc taacaagcac gcaagaacat 480
217 atcttaatga ttctagctgc agagggttcg acaaacgcga gaattgcgcga gcaactcaag 540
218 atttcgccag cagcggtaac taaagctctc aaaaaattac aagagcaaga actgattaaa 600
219 tcaagtccggg caacaaatga cgaacgcgta gtcctttgga gcctgacaga aaaagcaatt 660
220 ccagttgcta aagaacatgc tgctcatcat gagaaaaactc taagtaccta ccaagaatta 720
221 ggagacaaat ttactgacga agaacaaaaa gtgataagtc aattcttatac agtacttacg 780
222 gaggagttc gatgaagaaa atattgatgt tatttgctat tccggcagtt ttacttctt 840
223 ctgggtgtca aaaaacagca gacaaaccag aagttgtgac aacttttgag ccgatgtatg 900
224 aatttacgaa agcgattgtt ggagataagg taaaaattga aaatattgtt ccggcgaato 960
225 aagaagttca cgaatttgaa ccgagtgcca ttacgaaaaa aatggtagaa aatgcaaaga 1020
226 aaattgaagt cgagtttgac aaaggtcaaa gaactgataa atatggacgt ggcttagcgt 1080
227 atatttatgc tgatggaaaaa 1100
230 <210> SEQ ID NO: 10
231 <211> LENGTH: 160
232 <212> TYPE: DNA
233 <213> ORGANISM: Lactococcus lactis
235 <220> FEATURE:
236 <221> NAME/KEY: -35_signal
237 <222> LOCATION: (123)..(128)
239 <220> FEATURE:
240 <221> NAME/KEY: -10_signal
241 <222> LOCATION: (146)..(151)
243 <400> SEQUENCE: 10
244 gatctgtcag ctgggtcaac tagcggttgtt caaactgtta gtaataaaac ttattgtttt 60
245 gatgttcggc ttaaggatgg aaggatttt caaataaaaa agtaaaaaat aatgttaact 120
246 ggttgacatt attttactt tgctatataa ttaaccagta 160
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 18
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
256 primer
258 <400> SEQUENCE: 11
259 caggaaacag ctatgacc
  
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Input Set : A:\1169034.APP
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262 <210> SEQ ID NO: 12
263 <211> LENGTH: 27
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
269 primer
271 <400> SEQUENCE: 12
272 gttctaaaggatccatataacttaaggag 27
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 33
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
282 primer
284 <400> SEQUENCE: 13
285 ttttgtatgc atatgcaaat acaacggctgttg 33
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 27
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
295 peptide
297 <400> SEQUENCE: 14
298 Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
299 1 5 10 15
301 Val Ser Ser Thr Ala Val Val Phe Ala Tyr Ala
302 20 25
305 <210> SEQ ID NO: 15
306 <211> LENGTH: 27
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
312 primer
314 <400> SEQUENCE: 15
315 cgcggatcctttgaaaggatattcctc 27
318 <210> SEQ ID NO: 16
319 <211> LENGTH: 28
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR
325 primer
327 <400> SEQUENCE: 16
328 cctacgtttagaaatgaatgtttaaagc 28

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/525,449

DATE: 02/07/2006
TIME: 13:00:54

Input Set : A:\1169034.APP
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 9,12,13,14,15,16,17,18

Seq#:2; N Pos. 9,12,13,14,15,16,17,18,33,34,35,36,37,38,39,40,41

Seq#:9; N Pos. 362,412,445

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/525,449

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Input Set : A:\1169034.APP
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L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360
M:341 Repeated in SeqNo=9